

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: MORIARTY, K et al.

Docket Number: 19.0353

Serial No.:

Group Art Unit:

Filed Herewith

Examiner:

Title: DIRECTIONAL CASING DRILLING

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Please find enclosed an Information Disclosure Statement (Form PTO-1449) for consideration with respect to the above-identified patent application under the provisions of 37 CFR 1.97-1.98.

It is respectfully requested that these references be considered by the Examiner and formally made of record in this case. A completed PTO-1449 is included for this purpose.

No fees are thought to be necessary. However, please charge any necessary fees or credit any overpayments to Deposit Account No. 50-2898. Please stamp and return the enclosed postcard to acknowledge receipt of these documents.

Respectfully submitted,



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				Application Number	
				Filing Date	
				First Named Inventor	
				Moriarty	
				Group Art Unit	
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	19.0353

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number ⁴	Kind Code ⁵			
	1	5,117,927		Askew	1992-06-02	
	2	5,845,722		Makohi et al.	1998-12-08	
	3	5,950,742		Caraway	1999-09-14	
	4	5,839,519		Spedale, Jr.	1998-11-24	
	5	6,263,987		Vail, III	2001-07-24	
	6	5,472,057		Winfree	1995-12-05	
	7	4,842,081		Parant	1989-06-27	
	8	5,755,289		Angman et al.	1998-05-26	
	9	6,311,792		Scott et al.	2001-11-06	
	10	6,227,306		Downie et al.	2001-05-08	
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	13	5,197,553		Leturno	1993-03-30	
	14	5,452,967		Fuller	1995-09-26	
	15	5,219,028		Martin et al.	1993-06-15	
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	17	6,182,776		Asberg	2001-02-06	
	18	6,158,531		Vail, III	2000-12-12	
	19	5,662,170		Donovan et al.	1997-09-02	
	20	5,255,741		Alexander	1993-10-26	
	21	6,102,119		Raines	2000-08-15	
	22	5,921,332		Spedale, Jr.	1992-07-13	
	23	5,082,069		Seilor et al.	1992-01-21	
	24	5,957,225		Sinor	1999-09-28	

U.S. PUBLISHED APPLICATIONS

Examiner Initials*	Cite No. ¹	U.S. Publication Number		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number ⁴	Kind Code ⁵			
	1	20020175003		Pisoni et al.	2002-11-28	
	2	20020179336		Schaaf et al.	2002-12-05	
	3	20020050360		Cook et al.	2002-05-02	
	4	20020040787		Cook et al.	2002-04-11	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Country	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number ⁴	Kind Code ⁵			
	1	EP0462618A2		Europe	1991-12-27	
	2	WO02/14649A1		PCT	2002-02-21	
	2	WO01/94739A1		PCT	2001-12-13	
	3	WO01/94738A1		PCT	2001-12-13	
	4	WO00/50730		PCT	2000-08-31	
	5	WO01/86111A1		PCT	2001-11-15	
	6	WO02/10549A2		PCT	2002-02-07	
	7	WO01/83932A1		PCT	2001-11-08	
	8	WO00/37771		PCT	2000-06-29	

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Sheet	2	of	2	
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

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